

1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments



SP Spiral Fluted Taps



Specification

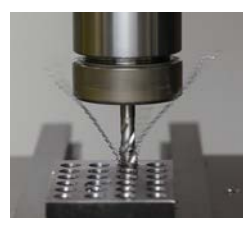


Tapping Speeds depending on Materials

Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼
5~10 (m/min)	5~10 (m/min)

Product Features

- The spiral flutes of the SP tap pull the small continuous curly chips back towards the tapping chuck and prevents chips from clogging in the hole. These taps are ideal for blind hole tapping.
- These taps cut easily into softer materials.
- Intermittent cutting into pilot holes with a keyway or grooves is possible.
- The flute strength is inferior to the HT tap. The HT flute shape is more suitable for high hardness materials.



Chip evacuation with a SP tap.

The difference between a SP tap and a +SP tap

SP For low speed machining on drilling machines and machining centers.

Standard tap series SP (for blind holes).

Old name	→	New Name	Size Range
N-SP		SP	M1.2~M64

Effective tapping on drill machines.

+SP Medium speed machining/Synchronous feed tapping is recommended on Machining Centers.

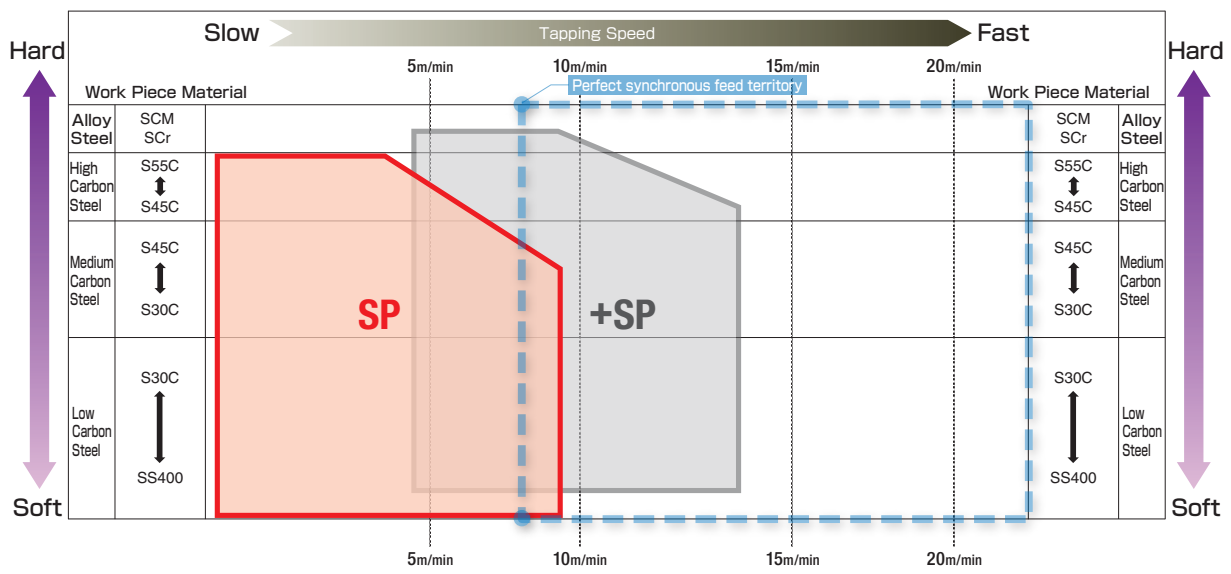
Plus series +SP for blind holes.

Old Name	→	New Name	Size Range
N+SP		+SP	M2~M12

Effective for use with synchronous feed (rigid) tapping on CNC machining centers.

* Both are general purpose spiral flute taps developed for varying tapping environments.

Speed chart



Tapping speed range by tap series.

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	l	ln	ls	Ds	K	lk

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Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

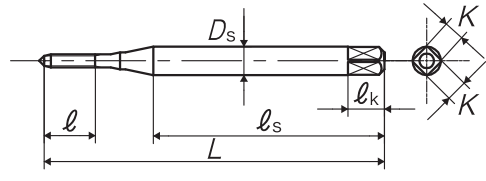
Center Drills
Centering Tools ⑪

Precision Machinery/
Metal Surgical Instruments ⑫

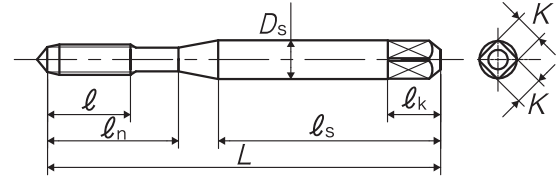
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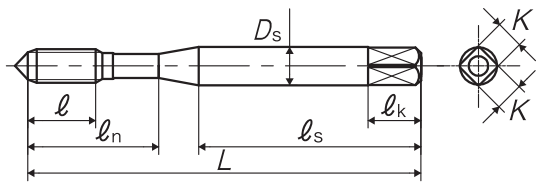
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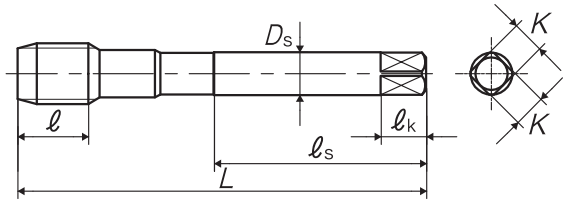
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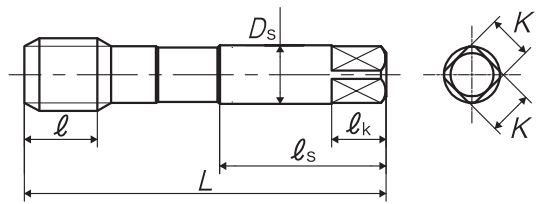
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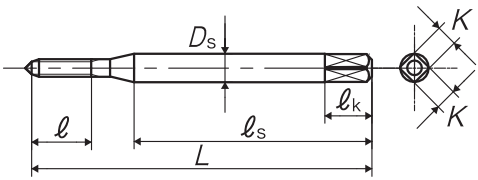
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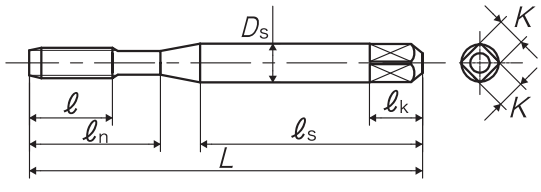
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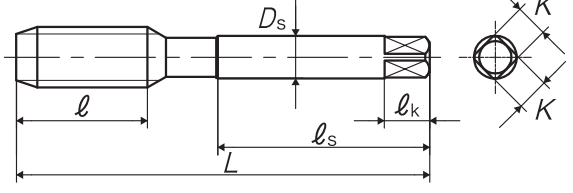
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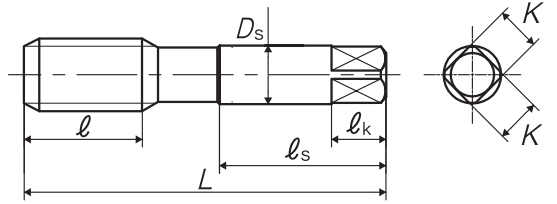
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TYPE: 6



TYPE: 8



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L	ℓ	ℓn	ℓs	Ds	K	ℓk

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SP Spiral Fluted Taps

○ Oversize

Segment : 1C

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M1.2 × 0.25	P1	SPP1.2B	2.5P	36	4.5	-	24	3	2.5	5	2	1	¥ 3,770
M1.4 × 0.3	P1	SPP1.4C	2.5P	36	5.4	-	24	3	2.5	5	2	1	¥ 3,080
M1.6 × 0.35	P1	SPP1.6D	2.5P	36	6.3	-	24	3	2.5	5	2	2	¥ 2,940
M1.7 × 0.35	P1	SPP1.7D	2.5P	36	6.3	-	24	3	2.5	5	2	2	¥ 2,940
M1.7 × 0.35	P2	SPQ1.7D	2.5P	36	6.3	-	24	3	2.5	5	2	2	¥ 2,940
M1.7 × 0.35	P3	SPR1.7D	2.5P	36	6.3	-	24	3	2.5	5	2	2	¥ 2,940*
M1.8 × 0.35	P1	SPP1.8D	2.5P	42	6.3	-	27	3	2.5	5	2	2	¥ 2,940*
M2 × 0.4	P1	SPP2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,350
M2 × 0.4	P2	SPQ2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,350
M2 × 0.4	P3	SPR2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,350
M2 × 0.4	P4	SPS2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,350*
M2 × 0.25	P1	SPP2.0B	2.5P	42	4.5	12	27	3	2.5	5	2	5	¥ 3,600
M2.2 × 0.45	P1	SPP2.2F	2.5P	42	8.1	12	27	3	2.5	5	2	3	¥ 2,140
M2.2 × 0.45	P3	SPR2.2F	2.5P	42	8.1	12	27	3	2.5	5	2	3	¥ 2,140*
M2.3 × 0.4	P1	SPP2.3E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,140
M2.3 × 0.4	P2	SPQ2.3E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,140*
M2.3 × 0.4	P3	SPR2.3E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,140*
M2.3 × 0.4	P4	SPS2.3E	2.5P	42	7.2	12	27	3	2.5	5	2	3	¥ 2,140*
M2.3 × 0.25	P1	SPP2.3B	2.5P	42	4.5	12	27	3	2.5	5	2	5	¥ 3,600*
M2.5 × 0.45	P1	SPP2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.5 × 0.45	P2	SPQ2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.5 × 0.45	P3	SPR2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.5 × 0.45	P4	SPS2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.5 × 0.35	P1	SPP2.5D	2.5P	46	6.3	14	29	3	2.5	5	2	5	¥ 2,650
M2.6 × 0.45	P1	SPP2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.6 × 0.45	P2	SPQ2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.6 × 0.45	P3	SPR2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800
M2.6 × 0.45	P4	SPS2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 1,800*
M2.6 × 0.35	P1	SPP2.6D	2.5P	46	6.3	14	29	3	2.5	5	2	5	¥ 2,650*
M3 × 0.5	P1	SPP3.0G	2.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,260
M3 × 0.5	P2	SPQ3.0G	2.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,260
M3 × 0.5	P3	SPR3.0G	2.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,260
M3 × 0.5	P4	SPS3.0G	2.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,260
3M0.6	P1	SPP3.0H	2.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,260*
M3 × 0.35	P1	SPP3.0D	2.5P	46	6.5	14	26	4	3.2	6	3	5	¥ 2,150
M3.5 × 0.6	P1	SPP3.5H	2.5P	52	11	16	29	5	4	7	3	3	¥ 1,260
M3.5 × 0.6	P2	SPQ3.5H	2.5P	52	11	16	29	5	4	7	3	3	¥ 1,260*
M3.5 × 0.6	P3	SPR3.5H	2.5P	52	11	16	29	5	4	7	3	3	¥ 1,260*
M3.5 × 0.6	P4	SPS3.5H	2.5P	52	11	16	29	5	4	7	3	3	¥ 1,260*
M3.5 × 0.35	P1	SPP3.5D	2.5P	52	6.5	16	29	5	4	7	3	5	¥ 2,150*
M4 × 0.7	P2	SPQ4.0I	2.5P	52	11	17	29	5	4	7	3	3	¥ 1,260
M4 × 0.7	P3	SPR4.0I	2.5P	52	11	17	29	5	4	7	3	3	¥ 1,260
M4 × 0.7	P4	SPS4.0I	2.5P	52	11	17	29	5	4	7	3	3	¥ 1,260
4M0.75	P2	SPQ4.0J	2.5P	52	11	17	29	5	4	7	3	3	¥ 1,260
M4 × 0.5	P1	SPP4.0G	2.5P	52	9	17	29	5	4	7	3	5	¥ 1,850
M4.5 × 0.75	P2	SPQ4.5J	2.5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,270*
M4.5 × 0.5	P1	SPP4.5G	2.5P	60	9	21	33	5.5	4.5	7	3	5	¥ 1,850*
M5 × 0.8	P2	SPQ5.0K	2.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,270

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- ⑨ Thread Mills (Premium Thread Mills)
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* = Specified Distribution Items. Made to order products.

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

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Spiral Fluted Taps
(for blind hole) ①Spiral Fluted Taps
(for through hole) ②Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪Precision Machinery/
Metal Surgical Instruments ⑫

JIS

①-42

SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M5 × 0.8	P3	SPR5.0K	2.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,270
M5 × 0.8	P4	SPS5.0K	2.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,270
5M0.9	P2	SPQ5.0L	2.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,270 [*]
M5 × 0.75	P2	SPQ5.0J	2.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,850 [*]
M5 × 0.5	P1	SPP5.0G	2.5P	60	9	22	33	5.5	4.5	7	3	5	¥ 1,850
M5.5 × 0.9	P2	SPQ5.5L	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,400 [*]
M5.5 × 0.5	P1	SPP5.5G	2.5P	62	9	26	33	6	4.5	7	3	5	¥ 1,970 [*]
M6 × 1	P2	SPQ6.0M	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,400
M6 × 1	P2	SPQ6.0M-T	2.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,400
M6 × 1	P3	SPR6.0M	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,400
M6 × 1	P4	SPS6.0M	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,400
M6 × 0.75	P2	SPQ6.0J	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,970
M6 × 0.75	P3	SPR6.0J	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,970 [*]
M6 × 0.75	P4	SPS6.0J	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,970 [*]
M6 × 0.5	P1	SPP6.0G	2.5P	62	9	26	33	6	4.5	7	3	5	¥ 1,970
M6 × 0.5	P2	SPQ6.0G	2.5P	62	9	26	33	6	4.5	7	3	5	¥ 1,970 [*]
M6 × 0.5	P3	SPR6.0G	2.5P	62	9	26	33	6	4.5	7	3	5	¥ 1,970 [*]
M7 × 1	P2	SPQ7.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,670
M7 × 1	P3	SPR7.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,670 [*]
M7 × 1	P4	SPS7.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,670 [*]
M7 × 0.75	P2	SPQ7.0J	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,470
M7 × 0.5	P2	SPQ7.0G	2.5P	70	10	-	36	6.2	5	8	3	7	¥ 3,080 [*]
M8 × 1.25	P2	SPQ8.0N	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,920
M8 × 1.25	P3	SPR8.0N	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,920
M8 × 1.25	P4	SPS8.0N	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,920
M8 × 1	P2	SPQ8.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,180
M8 × 1	P3	SPR8.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,180 [*]
M8 × 1	P4	SPS8.0M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,180 [*]
M8 × 0.75	P2	SPQ8.0J	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,470
M8 × 0.75	P3	SPR8.0J	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,470 [*]
M8 × 0.5	P2	SPQ8.0G	2.5P	70	10	-	36	6.2	5	8	3	7	¥ 3,080
M9 × 1.25	P2	SPQ9.0N	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440 [*]
M9 × 1	P2	SPQ9.0M	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,900
M9 × 0.75	P2	SPQ9.0J	2.5P	75	13	-	38	7	5.5	8	3	7	¥ 3,530
M9 × 0.5	P2	SPQ9.0G	2.5P	75	11	-	38	7	5.5	8	3	7	¥ 3,840 [*]
M10 × 1.5	P2	SPQ010O	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1.5	P3	SPR010O	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1.5	P4	SPS010O	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1.25	P2	SPQ010N	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1.25	P3	SPR010N	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1.25	P4	SPS010N	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,440
M10 × 1	P2	SPQ010M	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,900
M10 × 1	P3	SPR010M	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,900 [*]
M10 × 1	P4	SPS010M	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,900 [*]
M10 × 0.75	P2	SPQ010J	2.5P	75	13	-	38	7	5.5	8	3	7	¥ 3,530
M10 × 0.5	P2	SPQ010G	2.5P	75	11	-	38	7	5.5	8	3	7	¥ 3,840 [*]
M11 × 1.5	P2	SPQ011O	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460 [*]
M11 × 1.25	P2	SPQ011N	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460 [*]
M11 × 1	P2	SPQ011M	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 4,070 [*]
M11 × 0.75	P2	SPQ011J	2.5P	82	14	-	42	8.5	6.5	9	3	7	¥ 5,190 [*]
M12 × 1.75	P2	SPQ012P	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460

* = Specified Distribution Items. Made to order products.

 Think threads with
YAMAWA

1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

JIS

SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M12 × 1.75	P3	SPR012P	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460
M12 × 1.75	P4	SPS012P	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460
M12 × 1.5	P2	SPQ012O	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460
M12 × 1.5	P3	SPR012O	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460*
M12 × 1.5	P4	SPS012O	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460*
M12 × 1.25	P2	SPQ012N	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460
M12 × 1.25	P3	SPR012N	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460
M12 × 1.25	P4	SPS012N	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,460*
M12 × 1	P2	SPQ012M	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 4,070
M12 × 1	P3	SPR012M	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 4,070*
M12 × 1	P4	SPS012M	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 4,070*
M12 × 0.75	P2	SPQ012J	2.5P	82	14	-	42	8.5	6.5	9	3	7	¥ 5,190*
M12 × 0.5	P2	SPQ012G	2.5P	82	12	-	42	8.5	6.5	9	3	7	¥ 5,190*
M13 × 1.75	P2	SPQ013P	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480*
M13 × 1.5	P2	SPQ013O	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480*
M13 × 1.25	P2	SPQ013N	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480*
M13 × 1	P2	SPQ013M	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480*
M14 × 2	P2	SPQ014Q	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720
M14 × 2	P3	SPR014Q	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720*
M14 × 2	P4	SPS014Q	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720*
M14 × 1.5	P2	SPQ014O	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720
M14 × 1.5	P3	SPR014O	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720*
M14 × 1.5	P4	SPS014O	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,720*
M14 × 1.25	P2	SPQ014N	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480
M14 × 1	P2	SPQ014M	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 5,480
M15 × 2	P2	SPQ015Q	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
M15 × 1.5	P2	SPQ015O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
M15 × 1	P2	SPQ015M	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 7,520*
M16 × 2	P2	SPQ016Q	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
M16 × 2	P3	SPR016Q	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
M16 × 2	P4	SPS016Q	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
M16 × 2	P5	SPT016Q	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
M16 × 1.5	P2	SPQ016O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
M16 × 1.5	P3	SPR016O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
M16 × 1.5	P4	SPS016O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
M16 × 1.5	P5	SPT016O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
M16 × 1.25	P2	SPQ016N	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 7,520*
M16 × 1	P2	SPQ016M	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 7,520
M17 × 2	P2	SPQ017Q	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M17 × 1.5	P2	SPQ017O	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M17 × 1	P2	SPQ017M	2.5P	100	18	-	51	14	11	14	4	7	¥ 10,900*
M18 × 2.5	P3	SPR018R	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430
M18 × 2.5	P4	SPS018R	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M18 × 2	P3	SPR018Q	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M18 × 1.5	P2	SPQ018O	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430
M18 × 1.5	P3	SPR018O	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M18 × 1.5	P4	SPS018O	2.5P	100	33	-	51	14	11	14	4	6	¥ 8,430*
M18 × 1.25	P2	SPQ018N	2.5P	100	33	-	51	14	11	14	4	6	¥ 10,900*
M18 × 1	P2	SPQ018M	2.5P	100	18	-	51	14	11	14	4	7	¥ 10,900
M19 × 1.5	P3	SPR019O	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500*

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple Inspection Tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M19 × 1	P2	SPQ019M	2.5P	105	18	-	50	15	12	15	4	9	¥ 14,600 [※]
M20 × 2.5	P3	SPR020R	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
M20 × 2.5	P4	SPS020R	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
M20 × 2.5	P5	SPT020R	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500 [※]
M20 × 2	P3	SPR020Q	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
M20 × 1.5	P3	SPR020O	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
M20 × 1.5	P4	SPS020O	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500 [※]
M20 × 1.5	P5	SPT020O	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500 [※]
M20 × 1.25	P2	SPQ020N	2.5P	105	18	-	50	15	12	15	4	9	¥ 14,600 [※]
M20 × 1	P2	SPQ020M	2.5P	105	18	-	50	15	12	15	4	9	¥ 14,600
M22 × 2.5	P3	SPR022R	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700
M22 × 2.5	P4	SPS022R	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700 [※]
M22 × 2.5	P5	SPT022R	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700 [※]
M22 × 2	P3	SPR022Q	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700 [※]
M22 × 1.5	P3	SPR022O	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700
M22 × 1.5	P4	SPS022O	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700 [※]
M22 × 1.5	P5	SPT022O	2.5P	115	33	-	55	17	13	16	4	8	¥ 14,700 [※]
M22 × 1	P2	SPQ022M	2.5P	115	19	-	55	17	13	16	4	9	¥ 19,000
M23 × 1.5	P3	SPR023O	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300 [※]
M24 × 3	P3	SPR024S	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300
M24 × 3	P4	SPS024S	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300 [※]
M24 × 3	P5	SPT024S	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300 [※]
M24 × 2	P3	SPR024Q	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300
M24 × 1.5	P3	SPR024O	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300
M24 × 1.5	P4	SPS024O	2.5P	120	39	-	55	19	15	18	4	8	¥ 18,300 [※]
M24 × 1	P2	SPQ024M	2.5P	120	19	-	55	19	15	18	4	9	¥ 23,400
M25 × 2	P3	SPR025Q	2.5P	125	39	-	58	19	15	18	4	8	¥ 23,700 [※]
M25 × 1.5	P3	SPR025O	2.5P	125	39	-	58	19	15	18	4	8	¥ 23,700
M25 × 1	P2	SPQ025M	2.5P	125	20	-	58	19	15	18	4	9	¥ 28,100 [※]
M26 × 3	P3	SPR026S	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500 [※]
M26 × 2	P3	SPR026Q	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500 [※]
M26 × 1.5	P3	SPR026O	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500
M26 × 1	P2	SPQ026M	2.5P	130	20	-	60	20	15	18	4	9	¥ 31,400 [※]
M27 × 3	P3	SPR027S	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500
M27 × 2	P3	SPR027Q	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500
M27 × 1.5	P3	SPR027O	2.5P	130	39	-	60	20	15	18	4	8	¥ 25,500
M27 × 1	P2	SPQ027M	2.5P	130	20	-	60	20	15	18	4	9	¥ 31,400 [※]
M28 × 2	P3	SPR028Q	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M28 × 1.5	P3	SPR028O	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M28 × 1	P2	SPQ028M	2.5P	135	20	-	62	23	17	20	4	9	¥ 40,600 [※]
M30 × 3.5	P4	SPS030T	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M30 × 3	P3	SPR030S	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M30 × 2	P3	SPR030Q	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M30 × 1.5	P3	SPR030O	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500
M30 × 1	P2	SPQ030M	2.5P	135	21	-	62	23	17	20	4	9	¥ 40,600 [※]
M32 × 3	P3	SPMR032S	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800 [※]
M32 × 2	P3	SPMR032Q	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800 [※]
M32 × 1.5	P3	SPMR032O	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800 [※]
M32 × 1	P2	SPMQ032M	2.5P	145	21	-	67	24	19	22	4	9	¥ 46,600 [※]
M33 × 3.5	P4	SPMS033T	2.5P	145	46	-	67	25	19	22	4	8	¥ 37,800

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps Simple Inspection Tools
- ⑧ Pipe Taps
- ⑨ Thread Mills Premium Thread Mills
- ⑩ Dies
- ⑪ Center Drills Centering Tools
- ⑫ Precision Machinery/Metal Surgical Instruments

1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

JIS

SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M33 × 3	P3	SPMR033S	2.5P	145	46	-	67	25	19	22	4	8	¥ 37,800 ^{**}
M33 × 2	P3	SPMR033Q	2.5P	145	46	-	67	25	19	22	4	8	¥ 37,800 ^{**}
M33 × 1.5	P3	SPMR033O	2.5P	145	46	-	67	25	19	22	4	8	¥ 37,800 ^{**}
M33 × 1	P2	SPMQ033M	2.5P	145	21	-	67	25	19	22	4	9	¥ 46,600 ^{**}
M34 × 3	P3	SPMR034S	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M34 × 2	P3	SPMR034Q	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M34 × 1.5	P3	SPMR034O	2.5P	155	26	-	71	28	21	24	4	9	¥ 43,800 ^{**}
M34 × 1	P2	SPMQ034M	2.5P	155	26	-	71	28	21	24	4	9	¥ 51,900 ^{**}
M35 × 3	P3	SPMR035S	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M35 × 2	P3	SPMR035Q	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M35 × 1.5	P3	SPMR035O	2.5P	155	26	-	71	28	21	24	4	9	¥ 43,800 ^{**}
M35 × 1	P2	SPMQ035M	2.5P	155	26	-	71	28	21	24	4	9	¥ 51,900 ^{**}
M36 × 4	P4	SPMS036U	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M36 × 3	P3	SPMR036S	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M36 × 2	P3	SPMR036Q	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800 ^{**}
M36 × 1.5	P3	SPMR036O	2.5P	155	26	-	71	28	21	24	4	9	¥ 43,800 ^{**}
M36 × 1	P2	SPMQ036M	2.5P	155	26	-	71	28	21	24	4	9	¥ 51,900 ^{**}
M38 × 3	P3	SPMR038S	2.5P	165	52	-	76	30	23	26	4	8	¥ 50,200 ^{**}
M38 × 2	P3	SPMR038Q	2.5P	165	52	-	76	30	23	26	4	8	¥ 50,200 ^{**}
M38 × 1.5	P3	SPMR038O	2.5P	165	26	-	76	30	23	26	4	9	¥ 50,200 ^{**}
M39 × 4	P4	SPMS039U	2.5P	165	52	-	76	30	23	26	4	8	¥ 50,200 ^{**}
M39 × 3	P3	SPMR039S	2.5P	165	52	-	76	30	23	26	4	8	¥ 50,200 ^{**}
M39 × 2	P3	SPMR039Q	2.5P	165	52	-	76	30	23	26	4	8	¥ 50,200 ^{**}
M39 × 1.5	P3	SPMR039O	2.5P	165	26	-	76	30	23	26	4	9	¥ 50,200 ^{**}
M40 × 3	P3	SPMR040S	2.5P	175	59	-	81	32	26	30	4	8	¥ 61,100 ^{**}
M40 × 2	P3	SPMR040Q	2.5P	175	59	-	81	32	26	30	4	8	¥ 61,100 ^{**}
M40 × 1.5	P3	SPMR040O	2.5P	175	27	-	81	32	26	30	4	9	¥ 61,100 ^{**}
M42 × 4.5	P4	SPMS042V	2.5P	175	59	-	81	32	26	30	4	8	¥ 61,100 ^{**}
M42 × 3	P3	SPMR042S	2.5P	175	59	-	81	32	26	30	4	8	¥ 61,100 ^{**}
M42 × 2	P3	SPMR042Q	2.5P	175	59	-	81	32	26	30	4	8	¥ 61,100 ^{**}
M42 × 1.5	P3	SPMR042O	2.5P	175	27	-	81	32	26	30	4	9	¥ 61,100 ^{**}
M45 × 4.5	P4	SPMS045V	2.5P	180	59	-	83	35	26	30	4	8	¥ 70,700 ^{**}
M45 × 3	P3	SPMR045S	2.5P	180	59	-	83	35	26	30	4	8	¥ 70,700 ^{**}
M45 × 2	P3	SPMR045Q	2.5P	180	59	-	83	35	26	30	4	8	¥ 70,700 ^{**}
M45 × 1.5	P3	SPMR045O	2.5P	180	27	-	83	35	26	30	4	9	¥ 70,700 ^{**}
M48 × 5	P4	SPMS048W	2.5P	185	65	-	85	38	29	32	4	8	¥ 88,400 ^{**}
M48 × 4	P4	SPMS048U	2.5P	185	65	-	85	38	29	32	4	8	¥ 88,400 ^{**}
M48 × 3	P3	SPMR048S	2.5P	185	65	-	85	38	29	32	4	8	¥ 88,400 ^{**}
M48 × 2	P3	SPMR048Q	2.5P	185	65	-	85	38	29	32	4	8	¥ 88,400 ^{**}
M48 × 1.5	P3	SPMR048O	2.5P	185	28	-	85	38	29	32	4	9	¥ 88,400 ^{**}
M52 × 5	P4	SPS052W	2.5P	195	70	-	86	42	32	35	4	8	¥ 110,000 ^{**}
M56 × 5.5	P4	SPS056X	2.5P	205	70	-	91	44	35	38	4	8	¥ 125,000 ^{**}
M60 × 5.5	P4	SPS060X	2.5P	215	76	-	96	46	35	38	4	8	¥ 151,000 ^{**}
M64 × 6	P4	SPS064Y	2.5P	225	79	-	100	48	38	42	4	8	¥ 179,000 ^{**}
For Unified Threads													
No.1-64UNC	P1	SPPUN1D	2.5P	42	7.2	-	27	3	2.5	5	2	2	¥ 3,490 ^{**}
No.2-56UNC	P1	SPPUN2E	2.5P	42	8.1	12	27	3	2.5	5	2	3	¥ 2,460 ^{**}
No.2-64UNF	P1	SPPUN2D	2.5P	42	8.1	12	27	3	2.5	5	2	3	¥ 2,460 ^{**}
No.3-48UNC	P1	SPPUN3F	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 2,080 ^{**}
No.3-56UNF	P1	SPPUN3E	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 2,080 ^{**}

1 Spiral Fluted Taps (for blind hole)

2 Spiral Fluted Taps (for through hole)

3 Spiral Pointed Taps (for through hole)

4 Hand Taps

5 Cemented Carbide Taps

6 Roll Taps

7 Special Thread Taps Simple inspection tools

8 Pipe Taps

9 Thread Mills Premium Thread Mills

10 Dies

11 Center Drills Centering Tools

12 Precision Machinery/ Medical Surgical Instruments

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^{**} = Specified Distribution Items. Made to order products.

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
No.4-40UNC	P1	SPPUN4H	2.5P	46	9	14	25	4	3.2	6	2	3	¥ 1,590
No.4-48UNF	P1	SPPUN4F	2.5P	46	9	14	25	4	3.2	6	2	3	¥ 1,590*
No.5-40UNC	P1	SPPUN5H	2.5P	52	11	16	28	5	4	7	3	3	¥ 1,480
No.5-44UNF	P1	SPPUN5G	2.5P	52	11	16	28	5	4	7	3	3	¥ 1,480*
No.6-32UNC	P2	SPQUN6J	2.5P	52	11	17	27	5	4	7	3	3	¥ 1,480
No.6-40UNF	P1	SPPUN6H	2.5P	52	11	17	27	5	4	7	3	3	¥ 1,480*
No.8-32UNC	P2	SPQUN8J	2.5P	60	13	22	31	5.5	4.5	7	3	3	¥ 1,490
No.8-36UNF	P2	SPQUN8I	2.5P	60	13	22	31	5.5	4.5	7	3	3	¥ 1,490*
No.10-24UNC	P2	SPQUNAM	2.5P	60	13	22	32	5.5	4.5	7	3	3	¥ 1,490
No.10-32UNF	P2	SPQUNAJ	2.5P	60	13	22	32	5.5	4.5	7	3	3	¥ 1,490
No.12-24UNC	P2	SPQUNCM	2.5P	62	15	26	32	6	4.5	7	3	3	¥ 1,600*
No.12-28UNF	P2	SPQUNCK	2.5P	62	15	26	32	6	4.5	7	3	3	¥ 1,600*
1/4-20UNC	P2	SPQU04N	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,600
1/4-28UNF	P2	SPQU04K	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,600
1/4-32UNEF	P2	SPQU04J	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 2,370*
1/4-36UNS	P2	SPQU04I	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 2,760*
5/16-18UNC	P2	SPQU05O	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,210
5/16-24UNF	P2	SPQU05M	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,210
5/16-32UNEF	P2	SPQU05J	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 3,080*
3/8-16UNC	P2	SPQU06P	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,830
3/8-24UNF	P2	SPQU06M	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,830
3/8-32UNEF	P2	SPQU06J	2.5P	75	13	-	38	7	5.5	8	3	7	¥ 3,530*
7/16-14UNC	P3	SPRU07Q	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,990
7/16-20UNF	P2	SPQU07N	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,990
7/16-28UNEF	P2	SPQU07K	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 5,190*
1/2-13UNC	P3	SPRU08R	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,230
1/2-20UNF	P2	SPQU08N	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,230
1/2-28UNEF	P2	SPQU08K	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 6,240*
9/16-12UNC	P3	SPRU09S	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
9/16-18UNF	P2	SPQU09O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
9/16-24UNEF	P2	SPQU09M	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 9,030*
5/8-11UNC	P3	SPRU10U	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
5/8-18UNF	P2	SPQU10O	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
5/8-24UNEF	P2	SPQU10M	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 9,030*
3/4-10UNC	P3	SPRU12V	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
3/4-16UNF	P3	SPRU12P	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
3/4-20UNEF	P2	SPQU12N	2.5P	105	33	-	50	15	12	15	4	8	¥ 14,600*
7/8-9UNC	P3	SPRU14W	2.5P	115	33	-	55	17	13	16	4	8	¥ 16,200
7/8-14UNF	P3	SPRU14Q	2.5P	115	33	-	55	17	13	16	4	8	¥ 16,200
7/8-20UNEF	P2	SPQU14N	2.5P	115	33	-	55	17	13	16	4	8	¥ 22,700*
1 -8UNC	P3	SPRU16X	2.5P	125	39	-	58	19	15	18	4	8	¥ 23,700
1 -12UNF	P3	SPRU16S	2.5P	125	39	-	58	19	15	18	4	8	¥ 23,700*
1 -14UNS	P3	SPRU16Q	2.5P	125	39	-	58	19	15	18	4	8	¥ 31,400*
1 -20UNEF	P2	SPQU16N	2.5P	125	39	-	58	19	15	18	4	8	¥ 31,400*
1 1/8-7UNC	P4	SPSU18Y	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500*
1 1/8-8UN	P3	SPRU18X	2.5P	135	46	-	62	23	17	20	4	8	¥ 38,900*
1 1/8-12UNF	P3	SPRU18S	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500*
1 1/8-14UNS	P3	SPRU18Q	2.5P	135	46	-	62	23	17	20	4	8	¥ 38,900*
1 1/4-7UNC	P4	SPMSU20Y	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800*
1 1/4-8UN	P3	SPMRU20X	2.5P	145	46	-	67	24	19	22	4	8	¥ 45,300*

* = Specified Distribution Items. Made to order products.

Think threads with
YAMAWA

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Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Metal Surgical Instruments ⑫

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①-46

1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

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SP Spiral Fluted Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
1 1/4-12UNF	P3	SPMRU20S	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800*
1 3/8-6UNC	P4	SPMSU22Z	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800*
1 3/8-8UN	P3	SPMRU22X	2.5P	155	52	-	71	28	21	24	4	8	¥ 52,500*
1 3/8-12UNF	P3	SPMRU22S	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800*
1 1/2-6UNC	P4	SPMSU24Z	2.5P	165	52	-	76	30	23	26	4	8	¥ 62,700*
1 1/2-8UN	P3	SPMRU24X	2.5P	165	52	-	76	30	23	26	4	8	¥ 62,700*
1 1/2-12UNF	P3	SPMRU24S	2.5P	165	52	-	76	30	23	26	4	8	¥ 62,700*
1 3/4-5UNC	P4	SPMSU280	2.5P	180	59	-	83	35	26	30	4	8	¥ 87,500*
1 3/4-12UN	P3	SPMRU28S	2.5P	180	59	-	83	35	26	30	4	8	¥ 87,500*
2 -4 1/2UNC	P5	SPTU329	2.5P	195	70	-	85	40	32	35	4	8	¥138,000*
2 -8UN	P4	SPSU32X	2.5P	195	70	-	85	40	32	35	4	8	¥138,000*
2 -12UN	P3	SPRU32S	2.5P	145	45	-	82	40	32	35	4	8	¥138,000*
For Whitworth Threads													
1/8W40	P1	SPPW02H	2.5P	52	11	16	28	5	4	7	3	3	¥ 1,840
5/32W32	P2	SPQW2HJ	2.5P	52	11	17	29	5	4	7	3	3	¥ 1,480*
3/16W24	P2	SPQW03M	2.5P	60	13	21	32	5.5	4.5	7	3	3	¥ 1,490
7/32W24	P2	SPQW3HM	2.5P	62	15	26	32	6	4.5	7	3	3	¥ 1,600*
1/4W20	P2	SPQW04N	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,600
5/16W18	P2	SPQW05O	2.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,210
3/8W16	P2	SPQW06P	2.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,830
7/16W14	P3	SPRW07Q	2.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,990*
1/2W12	P3	SPRW08S	2.5P	88	26	-	45	10.5	8	11	3	6	¥ 4,230
9/16W12	P3	SPRW09S	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310*
5/8W11	P3	SPRW10U	2.5P	95	26	-	48	12.5	10	13	3	6	¥ 6,310
3/4W10	P3	SPRW12V	2.5P	105	33	-	50	15	12	15	4	8	¥ 11,500
7/8W9	P3	SPRW14W	2.5P	115	33	-	55	17	13	16	4	8	¥ 16,200
1 W8	P3	SPRW16X	2.5P	125	39	-	58	19	15	18	4	8	¥ 23,700
1 1/8W7	P4	SPSW18Y	2.5P	135	46	-	62	23	17	20	4	8	¥ 32,500*
1 1/4W7	P4	SPMSW20Y	2.5P	145	46	-	67	24	19	22	4	8	¥ 37,800*
1 3/8W6	P4	SPMSW22Z	2.5P	155	52	-	71	28	21	24	4	8	¥ 43,800*
1 1/2W6	P4	SPMSW24Z	2.5P	165	52	-	76	30	23	26	4	8	¥ 62,700*
1 5/8W5	P4	SPMSW260	2.5P	175	59	-	81	32	26	30	4	8	¥ 64,200*
1 3/4W5	P4	SPMSW280	2.5P	180	59	-	83	35	26	30	4	8	¥ 87,500*
1 7/8W4 1/2	P4	SPMSW309	2.5P	185	65	-	85	38	29	32	4	8	¥102,000*
2 W4 1/2	P4	SPSW329	2.5P	195	70	-	85	40	32	35	4	8	¥138,000*
For Screw Threads used on Sewing Machines													
3/32SM56	P1	SPPS06E	2.5P	46	8.1	14	29	3	2.5	5	2	3	¥ 2,500*
1/8SM40	P1	SPPS08H	2.5P	52	11	16	28	5	4	7	3	3	¥ 1,840*
1/8SM44	P1	SPPS08G	2.5P	52	11	16	28	5	4	7	3	3	¥ 1,840
9/64SM40	P1	SPPS09H	2.5P	52	11	16	29	5	4	7	3	3	¥ 1,840
11/64SM40	P1	SPPS11H	2.5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,790
3/16SM28	P2	SPQS12K	2.5P	60	13	21	32	5.5	4.5	7	3	3	¥ 1,790*
3/16SM32	P2	SPQS12J	2.5P	60	13	21	32	5.5	4.5	7	3	3	¥ 1,790*
7/32SM32	P2	SPQS14J	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,920*
15/64SM28	P2	SPQS15K	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,920*
1/4SM24	P2	SPQS16M	2.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,920*
1/4SM40	P1	SPPS16H	2.5P	62	8.6	26	33	6	4.5	7	3	5	¥ 2,760*

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